Flying-Machine.

flying-machines, with a framework sup-

pindle-shaped bodies and driven by

the machine are broad leaf members, so

adjusted as to guide the flight of the

Soft Metal Cap for Projectiles.

Thomas C. Tipper, Jr., Avalon, Pa.

has patented an armor-piercing projec-

tile with a cap of soft metal fitted upon

the nose of the projectile with a device

for readily fastening the cap upon it

Artificial Minnow.

obviated the necessity of getting the

small boy to catch minnows by an arti-

ficial minnow or trolling hook made of

piece of metal bent in ogee form to

represent the sinuosity and flash of a

minnow. To this hooks are attached to

Anti-Rattling Device.

John B. Hunt, Trenton, N. J., has re

ceived a patent for a holding and anti-

rattling device for Windows. It is a

spiral spring shank which screws into

firm, but allow it to be raised and low-

Baseball Mask.

FEAT OF ANCIENT ENGINEERS.

Bored Tunnel, Similar to Simplon, in

(Scientific American.)

Palestine 2,500 Years Ago.

Dr. Bertholet, a Professor at the Uni-

versity of Basie, is the gentleman who

Jewish records state that King Heze-

salem 727 B. C., was much troubled at

the people of that city. He accordingly

of the city, to which water was fed

from various springs lying at greater or

less distances from the reservoir in

At first his project seemed doomed to

failure, as there existed between Jeru-

salem and the springs from which the

water was to be derived a high chain of

hills, over which it would be impossible

determined to open a passage for the

fortified his city by bringing water thereto, and he bored through the solid

rock by means of bronze, and he col-

Recent explorations have enabled this

predecessor of the Simplon to be thor-

oughly identified. It is said to be the

ter was brought down from a source to

lected the water in a reservoir.'

vast reservoir made at the gates

George Bruton thinks that he has

and locking it in position.

catch the thoughtless fish.

machine

notor in the car below. In front of

Albert H. Friedel, New York, N. Y.

## Work of the World's Busy Brains in Discovering, Inventing and Creating.

SANITATION OF THE CANAL ZONE. | fore any Bureau of the Interior Depart-

Col. William C. Gorgas, U. S. A., who ment: is the Chief Sanitary Officer of the Canal Zone, reported to the Smithsonian Institution that the problem before him is to protect 15,000 men who are to be employed on the canal from yellow fever and malaria. Yellow fever is not endemic on the Isthmus, but had to be imported. When an infected person is brought in one of the Stegomyia mosquitoes must bite him and start the infection in the country. The first thing, therefore, is to keep men suffering from yellow fever from landing and the next thing is to get rid of the Stegomyla. The latter is a house mosquito, and never travels far from her birthplace. She affects principally clean rain water barrels and other receptacles of household water. Wherever a case of yellow fever occurs the house must be fumigated so effectually as to destroy all the mosquitoes. The same must be done with the houses immediately around, so as to completely break up what is termed "the focus." Every receptacle for water must be screened if he were to reach higher altitudes his to keep out the mosquitoes, and the work would be more effective. It safest way is to have the water brought makes a nervous time at the end of the in pipes from a distance, so that there insulated wires, for the collected elecis no need of any standing water. This tricity sends out sheaves of flame 10 was the process by which the yellow feet long and an inch thick with a fever was stamped out at Havana.

The next, and even more important in less than one hour there were 30 problem, is the elimination of malaria. such sheaves of electric light. These There are 10,000 natives in the district currents are delivered into a motor of in about 20 small villages, and these very simple construction. are nearly all infected by malaria, so that if a mosquito bites one of them she usually infects one or more of the California the enormously thick bark surfaces. The temper of the steel is laborers who have been brought to do of the redwood often became a great drawn at the edges to produce a softer the work. This was what destroyed embarrassment. It frequently had to the laborers which the French Com- be burned to get it out of the way, pany imported.

The remedy is to destroy the mosquitoes and induce the natives to take named Atkinson began to devise ways enough quinine to kill the fever germs of getting some profit out of it. He in their blood. In getting rid of the mosquito the yards have to be cleaned up and also the surfaces of the roads, so there will be no puddles. Where their surfaces are kept covered with ions, pen wipers, mats for hot plates oil. Col. Gorgas believes that this can be done effectively and the malaria wiped out in the whole zone.

## GUN EROSION.

The making of great guns still conbeen fired a certain number of times with a high explosive the inside of the of the Junior Institution of Engineers, putting a pillow into the case, but it is berrel looks like clay over which a devoted a large part of his inaugural said by those who are experienced in time. There are various theories to acwhich is as obstinately puzzling as ever. and-cylinder form of the gas engine. Various expedients have been tried, but it seems inevitable that nature will deat the expense of the structure of the nese leaf to any one of the many dogun and the shortening of the wea- mestic leaves and flowers. He thinks pon's life. At the gun tests at Sandy that camomile, veronica, sage, ambro-Hook muzzle velocity was obtained sia, horsemint and wintergreen would ranging from 1,913 feet per second to make equally agreeable drinks, just as 3,380 feet, but the pressure ranged mate is the universal drink in Parafrom 12,274 pounds per square inch to guay and other parts of South America 43,370 pounds. The guns stood these For himself he inclines most strongly incredible pressures very well, except toward Roman camomile. He also for the erosion of the inner tubes, and thinks very well of tarragon, a plant of this was so great as to indicate the the wormwood family, which is much rapid shortening of the gun's life. So used for flavoring vinegar. far no effective remedy has been sug-

# A GREAT DYNAMITE EXPLOSION.

sion of the British steamer Chatham in habitants, and in Berlin 46 per cent of the Suez Canal have now sent in their the physicians do not have an income reports, which are very interesting. The tons of dynamite and a supply of detonators, took fire while passing through the canal and had to be scuttled. She was, therefore, a great obstacle and menace to the commerce passing through the canal and had to be de- been studied lately by Dr. Beaufils acstroyed at once. There were many well- cording to the following method: A laybased apprehensions as to what would er of paint having been spread out on be the result of the explosion of such wooden boards or glass plates, a cul- in the loops to hold the stocking while the operation of dynamite which an immense amount of dynamite, which layer after being dried, and the plate exceeded anything before known in en- thus prepared was kept in the laboragineering. Mines, each containing 300 tory protected against dust. At regupounds of explosive, were fitted around removed and spread out on an approand in the hull by divers and connected priate medium or used in inoculating with electric wires. They were led in animals. An unpainted check-plate cables to the shore and there connected by the paint on the vitality and viruwith a firing station three miles away. lence of the microbes, this action being When the button was touched an im- shown generally to be distinctly bacterfor five seconds to an estimated height nature of the painting. The colors of enameled porcelain are, for instance. of 1,500 feet. It took the sound 16 found to be much more active than oil seconds to reach the firing station, and colors, especially in regard to the bacilit was not particularly loud, but the lus of tuberculosis. The fact that these earth tremor was immediate and se- the latter bacillus would seem to be the vere. The air was darkened for two most important practical result of these minutes by vapor and flying fragments. The telephone wires were torn from Chemical Inspection of Imported Foods. readily applied or taken off any wall the posts, but the posts remained intact,

## WORK OF THE PATENT OFFICE.

of foreign countries.

James A. Martindill, Eureka, O. Robert McKinstry, Detroit, Mich.

Busy man is summoning everything from the earth, the heaven above the earth and the water under the earth to help him do his work. N. P. Michkine, a Russian inventor, thinks that he has devised a way to utilize as power the immense energy of thunder storms. He finds from experiment and calculation that an ordinary thunder cioud has energy enough to run an eight-and-a-half horse-power motor for one hour. This is not so very great, as the destructiveness of the thunder cloud comes from its high tension, somewhat as the energy of a rifle bullet is due to its high velocity. His apparatus is very simple. Collec- leasing the tension at the time the trigters composed of thin circular plates ger is pulled. with numerous steel points are sent up on kites or balloons and held by insulated copper wires. So far he has only sent up to a distance of 120 met- ment in stone-saws. The blade is formed ers, or 394 feet, but he believes that noise like a pistol shot. At one time

which was a dangerous and protracted operation. At last a shrewd Yankee was a wood turner by trade, and presently developed a large business in what he called Atkinsos or vegetable asbestos, from which he made pin cushand for flatirons, mats for bathrooms fishing floats, corks, filling for life buoys and life preservers, insulators for cold storage and for steam-pipes, bicycle handles, hat brushes, etc. The bark is entirely odorless, of a rich brown finues to be exceedingly embarrassed color and singularly non-absorbent. It by the severe scoring or erosion which makes fairly good corks, though it follows the use of high explosives and lacks the elasticity of the true cork. and an arm pivoted so as to form a in place and more effectively protectthe gaining of long ranges with great Now a greater part of the bark is The jaws are held tight by the weight penetrating power. After a cannon has worked up into various profitable ways.

Mr. Dugald Clerk, the new President effort to secure a gas-explosion turcount for this. One is that the intense bine. In the ordinary turbine the pressure disintegrates the fiber of the blades are moved by a continual sucgun, destroying the molecular force cession of jets of vapor or water. In a which holds the particles together and gas turbine these must be replaced by converting them into powder. Another a series of explosions. The first thing is that the force of the explosion act- to be done is to make these uniform ually tears out the gun the same as a in pressure, and that has been fairly blast of wind will score a hillside or as well secured, but so far all the dewater will erode a bank. Another the- vices have been very wasteful of power ory is that the white-hot gasses melt the best of them losing at least 40 per away the metal as a block of ice is cent, which has so far been fatal to melted in a jet of steam. Whatever the economy of the gas turbine. Prothe theoretic action the rifling is bably the gas turbine will never do all burnt out, the shell will not rotate, and that its sanguine advocates imagine begins to tumble end over end. The but it is not improbable that some debuilders of these guns have overcome velopment will make it do better work every other difficulty except this one, at less cost than the present piston-

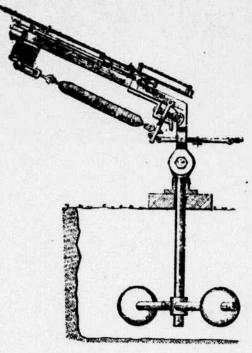
M. Jules Rudolph, a French scientist,

The Germans are much disturbed them. over the superabundance of physicians, the number of whom has doubled in the last quarter of a century, until now The experts who watched the exploamounting to \$700 a year. It is estihim \$6,000, so that he gets a very poor return upon his outlay.

The bacterial effect of wall-paints has mense column of water and debris arose icidal while varying according to the

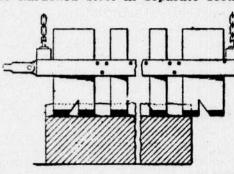
An important item in the extension and the water overflowed the banks for of the work of the Bureau of Chemistry about 1,000 yards in every direction. has been the establishment of the about 1,000 to the stablishment of Fragments of the ship fell over an area result food products. As a received to this has received a patent for a box hook toria Park. This want has been so good health. 1,200 yards in diameter, and a hole 73 country have been greatly improved. feet deep was made where the ship had In former years the United States was regarded as the dumping ground for the refuse teas of the commerce of the world. Many years ago, in order to overcome this evil, a system of inspec-For the week ended Nov. 14, 1905, tion of imported teas was established the Patent Office issued 622 patents, and has since been maintained. Under the beneficent working of this system 21 designs, 184 trade-marks, 20 labels, Americans are now certain of being four prints and two reissues; making a able to purchase pure and wholesome total of 853. Of these 549 patents and tea, since it is almost impossible for 208 trade-marks were to citizens of the spurious and adulterated teas to find their way into this country. Congress United States and 94 patents to citizens has now extended this system of inspection to all foods, beverages and condi-ments imported into the United States

Target Trap. Joseph P. Leggett, Carthage, Mo., has patented a target trap which is a com-



bination of a swinging throw-arm, throwing spring and a means for re-

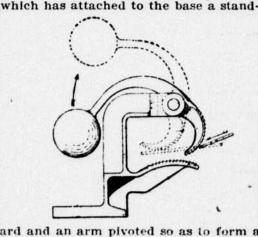
Charles L. Miel, Sacramento, Cal., has received three patents for an improveof hardened steel in separate section



attached to a beam, with the end sec-In the early lumbering operations in tions notched to give a plurality of bearing surface.

## Strap-Holder.

James D. Randall, Cincinnati, O., has patented an improved strap-holder



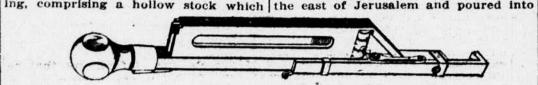
of a ball on the end of the arm. Support for Pillows.

such matters that she usually employs her teeth as an assistant. That is, she catches the end of the pillowslip between her pearly teeth and then with



deft motion slips the pillow in. the benefit of those who may have false teeth or are prudently disinclined to water through the solid rock. One of subject their dental members to such the Sirach MSS. dating from this period mand her price for results secured, and is strongly of the opinion that tea wear and tear Joseph C. Condo, Alex- states in this connection: "Heze-Kiah that if high velocity and great pene- drinking is an acquired habit which it andria, Ind., has patented a device contrating power are secured it must be would be easy to change from the Chi- sisting of a flexible supporting strip. which the woman attaches around her arms to hold the pillow while she draws the slip over it.

> Magazine Nail Driver. Matthew Hindmarch, Sturgis, Ky., has patented a device to facilitate nail-



serves as a magazine, with a feed device | the Pool of Siloam, mentioned in the for the nails and a hammer rod to drive Bible. This conduit is 360 yards long.

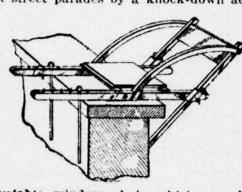
Stocking-Holding Band.

Agnes G. Maynard, Denver, Colo., has patented a band for darning stockings on sewing machines. It is an oval band having a vertical slit extending from



its upper edge with upturned prongs from the lower edge and loops arranged in pairs with L-shaped swinging arms

Max Pietsch, Brooklyn, N. Y., has consulted the convenience of spectators at street parades by a knock-down ad-



Box Hook



The distance, as the bird flies, between the two mouths of the tunnel is also only 360 yards, which proves that the work was not executed in a perfectly straight line-due doubtless to the difficulties which the engineers encountered in their task, which (for the period)

was of a really marvelous nature. That the work was commenced from both ends of the tunnel is not only proved by the inscription, but also by the fact that the marks of the boring tools, picks, etc., may still be seen, all bearing in opposite directions. The direction of the tunnel was altered several times during the construction thereof, as there are several short galleries, which were evidently abandoned as soon as it was noted that working was being done out of line. The floor of the tunnel is finished with the greatest care, and the workings vary from five-eighths of a yard to one yard in width by from three feet to nine feet in height, more or less, according to the

hardness of the rock. In the light of modern engineering science, the following questions suggest themselves. How did these old-time ngineers gauge their direction, recognize and remedy their errors in alignment? What tools did they use to exeute a piece of work which has re-

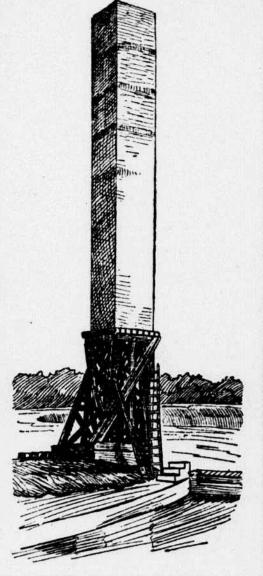
## AIDAM ON END. A Unique Engineering Feat at Ningara.

Even now there is beginning to be account of the water taken from the Niagara Falls for power purposes. The dian side, has had a great deal of trou- strengthens it and makes it well. ole in getting a sufficiency of water in great that the city has had to get water across the river by fire hose stretched over the bridge. It was finally determined by the city authorities, in con- must address Dr. Shoop, junction with the electric railroad man- Box 7531, Racine, Wis. Book 4 for Women the chutes, which would have the effect of diverting the current toward the ir take. This was an unusually difficult proposition, but has been happily solved by Isham Randulph, one of the engineers of the Chicago Drainage Canal. He has had constructed a concrete column 50 feet high and seven feet four inches square on top of a trestle that stands 20 feet above the ground level. This column it is proposed to tip over The Commissioner of Patents and mounces that the following attorneys able to that which has taken place in the peen disbarred from practice be
ments imported into the United States. There is every reason to believe that when this system is thoroughly established an improved condition comparable form with a hook termination.

into the river, to form a prostrate condition of the considerable. The column is made of concrete having proportions of one, three, five, and is reinforced

heavy chain that runs through the center, the chain having a weight of about has patented an entirely novel idea in 800 pounds. The approximate weight of the column is 200 tons. About every porting propeller vanes fastened to eight feet of its height there is a wooden wedge that extends nearly half way through the column, the wedges being about 12 inches thick at the outer edge and tapering to six inches toward the center, and the blocks are further separated by strips of tarred paper. The purpose of these several wedges and aper strips is to break the mass in six parts as it falls in order that it may conform to the bottom of the river, while the parts will be held in place by the chain that extends through the cen-

throughout its entire length by a very



CONCRETE DAM TO BE TIPPED INTO THE RIVER.

about 600 feet up from the brink of the Horseshoe Fall, but when prostrate the column is not expected to make any difference in the flow of the waterthe window frame or sash and has at fall. When prostrate the top of the the other end a roller to hold the sash column will be 20 inches above the level of the ground, and in order that ice may be floated off, an opening will be left between the end of the dam and the river. The column will be tipped Edgar J. Goldsmith, Cincinnati, O., by jacks working under timbers at the has patented a baseball mask having bottom of the trestle, and when it falls the usual frame with inflatable side it is expected to tumble slightly up cushions for bearing against the sides stream. The column will be allowed of the face or head, holding it firmly to dry several weeks before it is tipped into place in the Niagara River.

### The Kowtow. (Century.)

The kowtow (pronounced ker-toe, and meaning literally to bow the head) and meaning literally to bow the head) lands are to be reclaimed by water lands are to be reclaimed by water named officers, and unhesitatingly comfrom the Colorado River, at an expense mend them for their gallant bearing. Unmistakable evidence exists that a manner of greeting 2,500 years ago certain Hebrew engi- tow to their Majesties at the beginning neers (in the time of King Heze-Kiah) and end of each performance at the executed exactly the same kind of work theater, first to thank for the honor which was carried out in the Simplon they are to receive in being allowed to tunnel, though perhaps on a slightly act before them, and at the end to thank for the privilege granted. The official "bow the head" to thank for an audience or any favor or gift they have claims to have made this discovery. The received or are to receive from their Majesties. The kowtow is not only Kiah, or Ezekias, who reigned at Jeru- made by people at the palace and at imperial audiences: it is sometimes the bad state of the water supplied to used by equals to each other as a proper manner of thanking for some great favor. To make the kowtow, the person kneels three times, and each time bows his head three times, touching the ground with it. The kowtow could not be made by a foreigner without looking most awkward and appearing most servile, but the Chinese do it with dignity, and it is neither ungraceful nor degrading. It is a time-honored manner of to convey the water. It was therefore viving from a time when the courtiers were perhaps like slaves; but at present it does not imply any slave-like inferlority on the part of him who per-

## Two Famous Pioneer Trees. (Kansas City Star.)

Two of the most famous pioneer trees in the West have a well-merited place in history. These were the Lone Jack tree and the Lone Elm. Shiloah tunnel by means of which wa-

The first is in western Missouri and the second in eastern Kansas. A good pioneer horseman might have covered the distance between them in a day At the Lone Jack tree a great battle was fought during the civil war. At the Lone Elm caravans over the Santa Fe trail halted for the night and here were united two branches of the famous old trail.

Invitation From the Home Folks. (Atlanta Constitution.) This is a cordial invitation from the

home folks" in Georgia to the absent

one in Texas: "Dear William-This is to let you know that you are invited home to spend Thanksgivin' an' Christmas. We are mightily in debt an' have five or six places it in the forefront not only of mortgages to pay off, an' you are invited to come, an' bring all you can with you, an' we'll give you a couple The company began business with the of good dinners,'

made to beat by a tender nerve so tiny that it is scarcely visible to the naked eye. Yet ten thousand times a day this delicate nerve must assist the heart to expand and contract. This nerve is only one of the branches of the grea

The heart itself has no power-no self-control. It is

sympathetic, or INSIDE, nerve system. Each brane of this system is so closely allied with the others that weakness or irregularity at any point is apt to spread. Heart trouble frequently arises from Stomach trouble through sympathy, and Kidney trouble may also fol mained without equal or rival for 2,500 low. For each of these organs is operated by a branch of these same sympathetic nerves-the INSIDE

In Heart, Kidney or Stomach troubles, it is of but little use to attempt to doctor the organ itself-the most permanent relief lies in restoring the INSIDE NERVES. Dr. Shoop regards these nerves to be the real cause of such troubles. The remedy-known by experienced a decided inconvenience on physicians and druggists everywhere as Dr. Shoop's Restorative -- is the result of years of endeavor along this very line. It does not dose the organ to deaden the pain-but it aims to go at once to the nerve-the city of Niagara, Ontario, on the Cana- inside nerve-the power nerve and builds it up, and

Every heart sufferer may have Dr. Shoop's book on Winter when the ice deflects the cur- the Heart. It will be sent free, and with it you will

For the free book and Book 1 on Dyspepsia the "Health Token" you Book 2 on the Heart Book 3 on the Kidneys Book 6 on Rheumatism.

Prepared in both Liquid and Tablet form. For sale at forty thousand drug stores. Mild cares are often The Soldier's Wife.

(Harriet D. Brink, Osakis, Minn.) He offered himself for the land he loved But what shall we say of her?
He gave to his country a soldier's life;
'Twas dearer by far to the soldier's wife,
All honor is due to her.

He went to the war while his blood was

But what shall we say of her? He saw for himself through the battle's hero's reward on the scroll of fame;

What honor is due to her? He offered himself, but his wife die

More, All honor today to her. Far dearer than life was the gift she In giving the life she would die to save. What honor is due to her?

He gave his life at his country's call,
But what shall we say of her?
He offered himself as a sacrifice;
But she is the one who pays the price, All honor we owe to her.

## Through the Suez Canal. (Scribners.)

We were four hours going through this little trough of water. And all that time there was nothing to see but the cold, dim desert and the empty, lowhanging moon. Toward the end we sighted a watch-fire—small and lonely in the desert. There was an Arab near it wrapped and hidden in a long, trailing cloak. He sat with his chin on his knees and looked our way. Two camels hunched beside him slowly chewing They swayed their long necks to stare at the lights. Mournful, solitary-looking beasts they were. They crouched on the desert with their knees folded under them, and we passed near enough to see them flap their scrubby little tails. But the man never moved. We watched him till he slipped out of sight. It grew colder and the loneliness unbearable. But you could not even think of sound. There was nothing but the

night and the desert and they bound you and would not let you stir. Perhaps I slept: When I looked again ve were in open water with a low leeping town behind us. A melancholy spot with half-a-dozen feeble lights. Suez it was. A cold wind struck across t and made me shiver.

Just then our searchlight dropped its good and sent great fingers of light into the blackness ahead. Out of the south came another light, powerful and yel-low, but poking and peering in a help-less way like something lost. Then both lights vanished-and the trouble in the sky meant dawn.

There were mountains faintly jagged against the sky with the moon slipping pale and dim behind them. While still she hung, cold and empty-looking, the mountain flushed at their base, and over in Arabia the sun came rolling

was pink and peach and swimming and Second Brigades respectively, be gold, and all the air fresh and new and appointed Brigadier-Generals; also, affush with the morning. The moon faded out like a ghost, and manded the Third Brigade and was

the mountains and the rocks and all killed while gallantly charging the enethe shore outlines stood out black and my's works. I would recommend to be This was the day and the end of Afica-and we turned in.

### Not the Country God Forgot. (Sunset Magazine.)

In southwestern Arizona and southeastern California is the Yuma project, where 110,000 acres of rich bottom my's works conducted by the above of \$3,000,000. The climate is hot, but the soils are rich and the crops luxuriant almost beyond belief. Called the Nile of America, the Colorado bears striking resemblance to that great river mountains of Wyoming and Colorado and empties through great tidal flats into an inland sea, its valleys and climate all bearing out the likeness. The peculiar feature of this great stream is the tremendous quantities of silt or debris which it bears to the sea, the scourings of 225,000 square miles of drainage basin carried thousands of miles building great flats in the valleys and bars in the stream. In ancient times the Gulf of California extended many miles to the northwest, to about the location of Indio on the line of the Southern Pacific Railway. The Colorado deposited its great load of mud in the gulf until it made a bar all the way across and left a great inland sea which evaporated, leaving the Imperial Valley where now several thousand people live and farm below the level of the sea, lowest point of this valley being 287 feet below sea level. How great is the load of silt carried by the Colorado you may conceive when you know that by measurement 1,500,000 tons of sediment have been carried past Yuma Ariz., in 24 hours. But there is some recompense, as the material deposited can be readily handled and great ditches dug by dredges, the cheapest method of handling material.

## Something About Sulphur. (Sunset Magazine.) The largest sulphur refinery in the

world, with one exception, is in San Francisco, and the largest sulphur ore mines are close by. The Stauffer Chemical Company has done more since its establishment, in 1885, to develop these deposits, as well as those of borax and soda, than any other institution of its kind in the West. Its steady growth controlling a large acreage in Alameda, Contra Costa and Ventura Counties, the manufacturers of heavy chemicals in the United States, but of the world. manufacture of "washing" or sal-soda, which they still make in large quantiies. In 1887 they commenced manufacturing boracic acid and soda borate of borax. In 1888 the refining of sulphur ore imported from Japan claimed heir attention, and though many other concerns started to accomplish this result, they were the first to successfully produce every grade of refined and sublimed sulphur as manufactured by Boude, of Marseilles, whose products are the standard for the world's mar-

## "Honest Abe." (Century.) It is a significant fact that in a com-

known, where plain straightforward discovery which is curing every kind of course, and credit was fearlessly asked or acute-Muscular, Sciatic, Lumbago, and given, Lincoln won an enviable Gout, etc., no matter in what part of the reputation for integrity and honor. In body. You'll get the Drafts by return a moral atmosphere of this sort ordinary veracity and fairness attracted no particular attention. Honesty was not merely the best policy: it was the rule of life, and people were expected to be upright and just with one another. But when a clerk in a country store walked miles to deliver a few ounces of tea innocently withheld from a customer by an error in the scales, and when he made a long hard trip in order to return a few cents accidentally overpaid him, he was talked about and the fact curing where everything else has failed. is that "honest Abe" was a tribute, not nickname.

## Quick Delivery of a Letter. (The Era.)

and a half ago a letter traveled much Drafts. Send no money-only your name. faster than ever it has done since. It was in 1753 that Lord March made

a heavy wager that he would cause a letter to be carried 100 miles within an hour. His lordship engaged a score of cricketers, all expert throwers and catchers, had the missive inclosed in a ball, and arranging his men at intervals in a circle, got them to throw the

actly 120 miles.

To Prove It, I Send a Trial Package Free by Mail.



out, removes dandruff and quickly restores luxurian; growth to shining scalps, eyebrows and eyelashes, and quickly restores gray or faded hair to its natural color Write to-day.

CUT OUT THIS COUPON

for this offer may not appear again. Fill out the blanks and mail it to J. P. Stokes, Mgr., 468 Foso Building, Cincinnati, Ohio, inclosing a 2-cen I have never tried Foso Hair and Scalp Remedy, but if you will send me a trial package by mail, prepaid, free, I will use it.

..........

Give full address-write plainly.

## MINNESOTA AT NASHVILLE (Continued from page 1.)

his brigade, he captured over 2,000 prisoners, nine pieces of artillery and seven stands of colors, and the casualties of his brigade number 315.' The following was sent by telegraph to President Lincoln

"Headquarters First Division, "Detachment Army of the Tennessee In the field near Nashville, Tenn., Dec. 17, 1864.

Abraham Lincoln, President of the United States: "Smith's 'Guerrillas' again did a noble work yesterday, not the least portion of which is due the First Division. I respectfullly ask, as an act of justice There was no more night after that, and honor fairly won, that Col. W. L. We lay in a bay that was smooth as a McMillan, 95th Ohio.; Col. L. F. Hubmirror and reflected colors like one. It bard, 5th Minn., commanding the First

> gazetted as Brigadier-General. John McArthur, Brigadier-General, U. S. Vols."
> "I heartily concur in the recommend-

Col. S. G. Hill, 35th Iowa, who com-

ation of Gen. McArthur, and respectfully request the appointments may be "A. J. Smith, Major-General."

"I witnessed the assault on the ene-

Geo. H. Thomas, Major-General, U. S. Volunteers, Commanding Department of the Cumberland.

Permitted by Telegraph. J. D. Webster,

Thanking the Victor. Gen. Thomas's success naturally re tored equanimity at official headquarters and changed the tone of the dispatches that now came from the East. The following are a sample that indicate the general character of the greetings that now cheered the victor of

"Washington, Dec. 15, 1864. Maj.-Gen. George H. Thomas, Nash-

"I was just on my way to Nashville, but receiving a dispatch detailing your splendid success of today I shall go no further. Push the enemy now and give

"U. S. Grant, Lieutenant-General."

"Washington, Dec. 15, 1864. Maj.-Gen. Thomas: "I rejoice in tendering to you and the

command the thanks of this Department for the brilliant achievement of this day. \* \* \* We shall give you s

gallant officers and soldiers of your

hundred guns in the morning. "E. M. Stanton, Secretary of War." 'Washington, Dec. 16, 1864. "To Maj.-Gen. Thomas: "Please accept for yourself, officers, and men, the Nation's thanks for your work of yesterday. You made a mag-

mation is within your reach. \* \* \* "Abraham Lincoln." (The end.) Discharge Papers of Stephen A. Robin-

nificent beginning. A grand consum-

son, 6th Ind. The Registry Department at Denver, Colo., has a new Russia-leather pocketbook containing the discharge papers of from a small building on a 50-vara lot Stephen A. Robinson. This pocketbook, at Bay and Dupont streets to a pile of with contents, was found in taking up buildings covering nearly three square the mail during the National Encampblocks in the heart of the city, besides ment. If Comrade Robinson will send his address to Edw. L. Hobart, Box 714, Denver, Colo., Comrade Hobart will use his best endeavors to secure the return of the pocketbook.

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tall as swiftly as possible from one to another.

At the end of the hour it was found that the letter had traveled almost exactly 120 miles.

"The firm is worthy of confidence upon the ground to both one sty."—The National Tribunk, April 1, 1897. Founded 1881 by Milo B. Stevens, 14th Ohio Battery. MILO B. STRY CAN Servens, 14th Ohio Battery. MILO B. STRY CAN Branches at Chicago, Cleveland, Detroit.